

## CLAIMS

What is claimed is:

1. A method for automatically ordering replacement of consumable parts of a system, comprising the steps of:
  - monitoring at least one parameter for a part of said system;
  - comparing said parameter to at least one replacement criterion for said part;
  - automatically generating a user notification when a comparison of said parameter to said at least one replacement criterion indicates that a replacement part should be ordered;
  - and,
  - responsive to at least one action selected from the group consisting of a user input and an automatic system control, automatically communicating an order to a replacement part order center for a replacement for said part.
2. The method according to claim 1 wherein said communicating step is further comprised of communicating to said replacement part order center at least one of a billing address, a billing account, a shipping address, and a part identification code.

1 3. The method according to claim 1 wherein said  
2 communication step is further comprised of transmitting said  
3 order to said replacement part order center through at least  
4 one of a global computer network, a cable television network,  
5 a wireless link, and a dial-up telephone line.

1 4. The method according to claim 1 wherein said parameter  
2 for said part is selected from the group comprising a duration  
3 of operation, an output level, an input level, an operating  
4 temperature, a number of on-off cycles, an oxidation level, a  
5 corrosion level, a decomposition level, and a material  
elasticity level.

1 5. The method according to claim 1 wherein said parameter  
2 for said part is an output level for a light source.

1 6. The method according to claim 1 wherein said system is a  
2 projection display and said part is a light source.

1 7. The method of claim 1 wherein said replacement part order  
2 center is a computer server.

1 8. A method for automatically ordering replacement of  
2 consumable parts of an appliance, comprising the steps of:  
3 monitoring at least one parameter for a part of said  
4 appliance;

comparing said parameter to at least one replacement  
criterion for said part;

automatically generating a user notification on a display  
when a comparison of said parameter to said at least one  
replacement criterion indicates that a replacement part should  
be ordered;

responsive to at least one action selected from the group  
consisting of a user input and an automatic system control,  
presenting an order menu on said display, said order menu  
comprising at least one replacement part order option; and,

responsive to at least one action selected from the group  
consisting of a user input and an automatic system control,  
automatically communicating an order to a replacement part  
order center for a replacement for said part.

9. A system for automatically ordering replacement of  
consumable parts of a system, comprising:

part monitoring means for monitoring at least one  
parameter for a part of said system;

comparator means for comparing said parameter to at least  
one replacement criterion for said part;

notification means for automatically generating a user  
notification when a comparison of said parameter to said at  
least one replacement criterion indicates that a replacement  
part should be ordered; and,

order processing means responsive to at least one action  
selected from the group consisting of a user input and an

13 automatic system control, for automatically communicating an  
 14 order to a replacement part order center for a replacement for  
 15 said part.

1 10. The system according to claim 9 wherein said order  
 2 processing means communicates to said replacement part order  
 3 center at least one of a billing address, a billing account, a  
 4 shipping address, and a part identification code.

11. The system according to claim 9 wherein said order  
 processing means transmits said order to said replacement part  
 order center through at least one of a global computer  
 network, a cable television network, a wireless link, and a  
 dial-up telephone line.

1 12. The system according to claim 9 wherein said  
 2 parameter for said part is selected from the group comprising  
 3 a duration of operation, an output level, an input level, an  
 4 operating temperature, a number of on-off cycles, an oxidation  
 5 level, a corrosion level, a decomposition level, and a  
 6 material elasticity level.

1 13. The system according to claim 9 wherein said parameter  
 2 for said part is an output level for a light source.

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Figure 1

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1. 4. 2014

**Figure 1**

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# Introduction